

Human 4-1BB CDR123 Protein

Cat. No. BB4-HM213



Description

Source	Recombinant Human 4-1BB CDR123 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus. It contains Leu24-Lys118.
Accession	Q07011-1
Molecular Weight	The protein has a predicted MW of 36.8 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

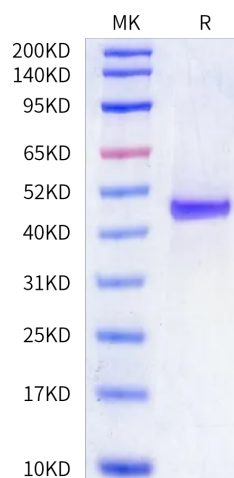
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4).
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.

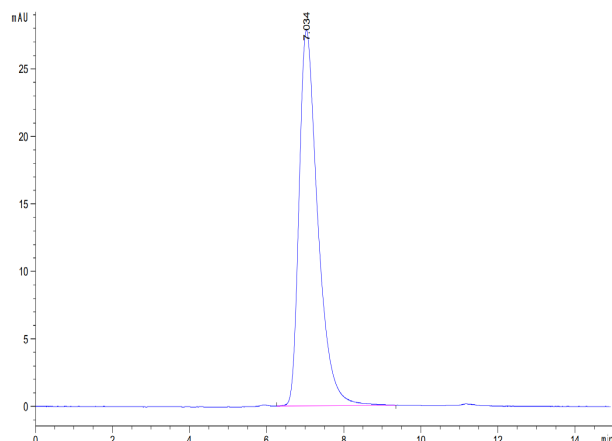
Assay Data

Bis-Tris PAGE



Human 4-1BB CDR123 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human 4-1BB CDR123 is greater than 90% as determined by SEC-HPLC.

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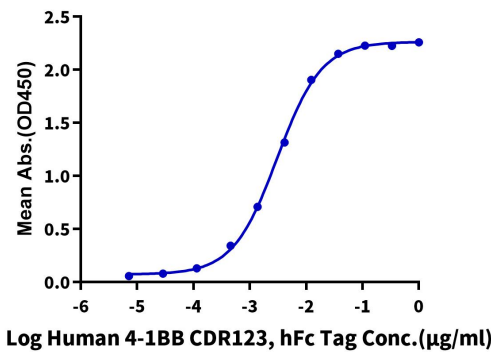


Assay Data

ELISA Data

Human 4-1BB CDR123, hFc Tag ELISA

0.2µg Human 4-1BB Ligand (Trimer), His Tag Per Well



Immobilized Human 4-1BB Ligand (Trimer), His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human 4-1BB CDR123, hFc Tag with the EC50 of 3.1ng/ml determined by ELISA.